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     The research introduced current gap evaluation & diagnosis between the
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9000:2001) requirements and applied quality system at the Sunhareb State Co. For Modern
Irrigation, in order to understand & adoption these requirements as international
standards, which help an organization to get the ISO certificate. The research have been
reached to inadequate documentation even absent ,in some activities of the studied
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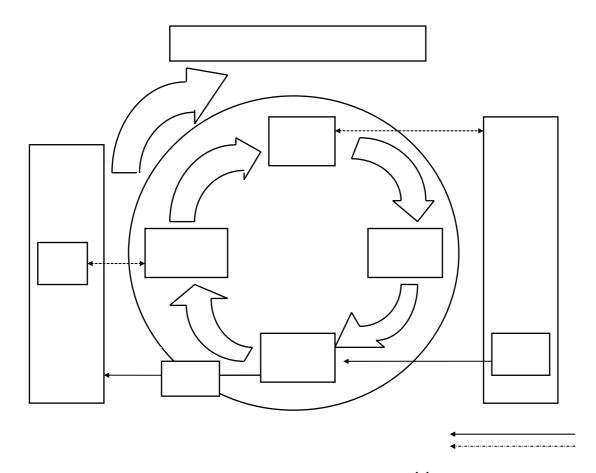
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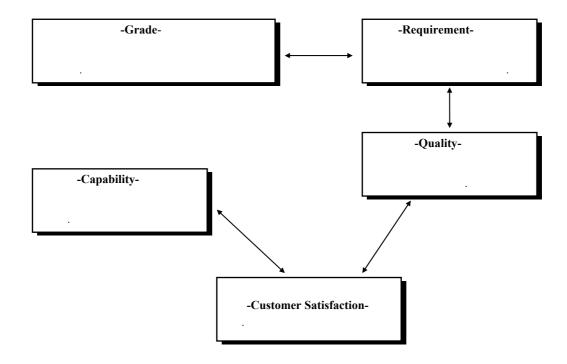
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-Statistical Quality Control (S.Q.C.)-
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[Allied Quality Assurance Publications (AQAP): Organisation (NATO)(Dalela & Saurabh, 1, 4, 9]

1999: 33)

.-Total Quality Control (T.Q.C.)
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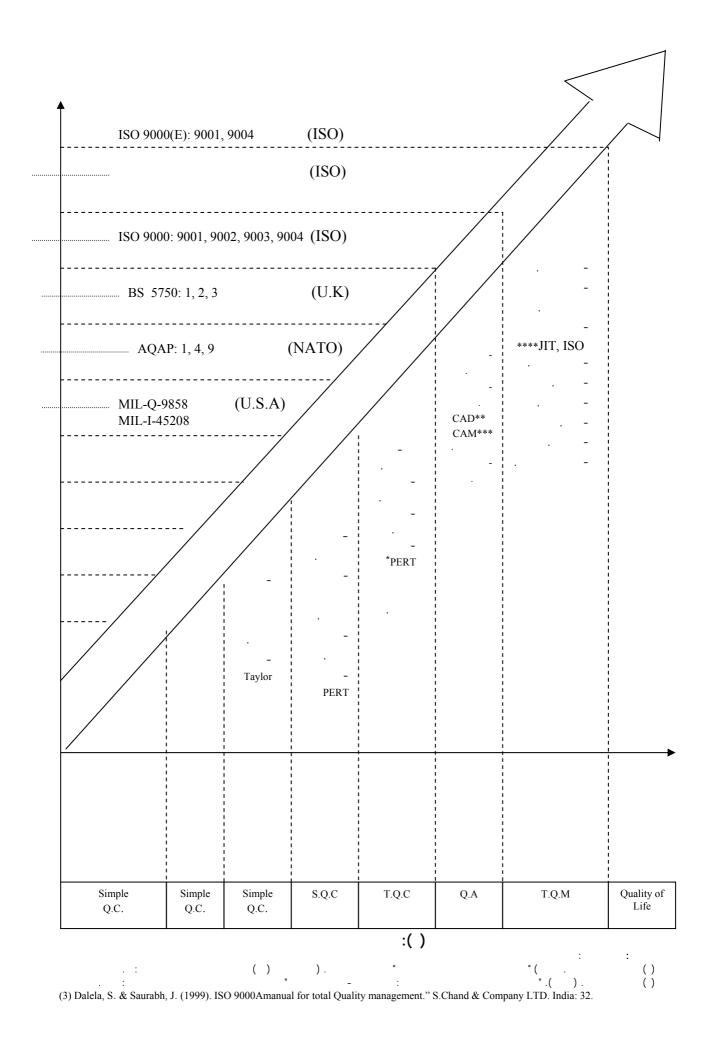
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(4) Sadgrove, Kit. (1995). "ISO 9000/BS 5750 made easy". (2nd. ed.), Kogan Page, UK: 20.

* Program Evalution And Review Technique, (PERT)

** Computer-Aided-Design (CAD).

(5) Colye, J. J., Bardi, E. J. & Langley, C. J. (1992). "The management of Business Logistics." (5th.ed.) West Publishing, U.S.A: 458.

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Source: Prime Ministers Department, (1996), "Guidlines for Implementing MS ISO 9000 in the Civil Service", Development Administration Circular No.2, Malaysia: E3.

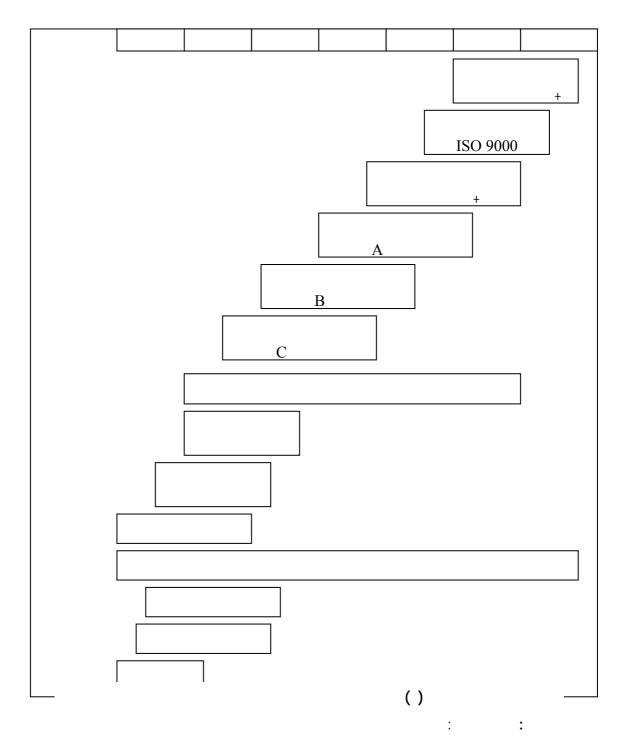
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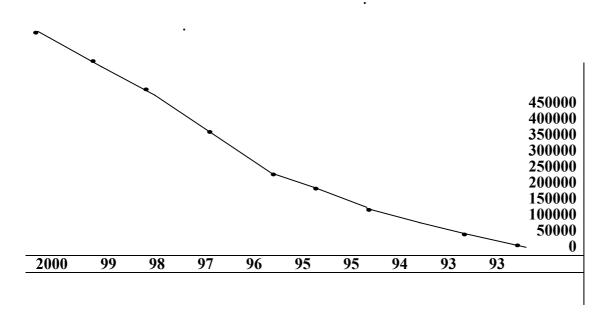
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Source: ISO Bulletin, August 2001: 31.

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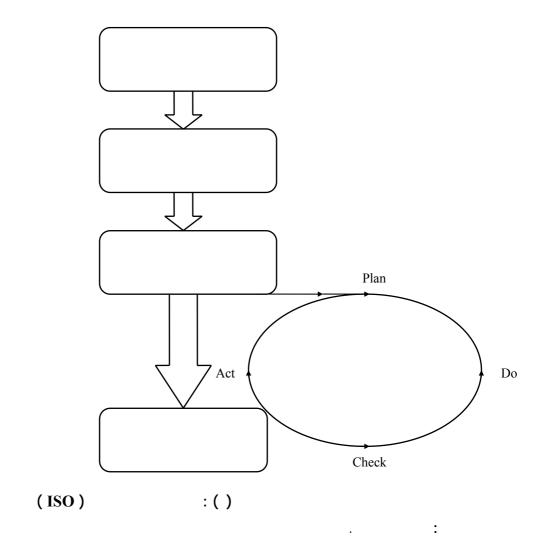
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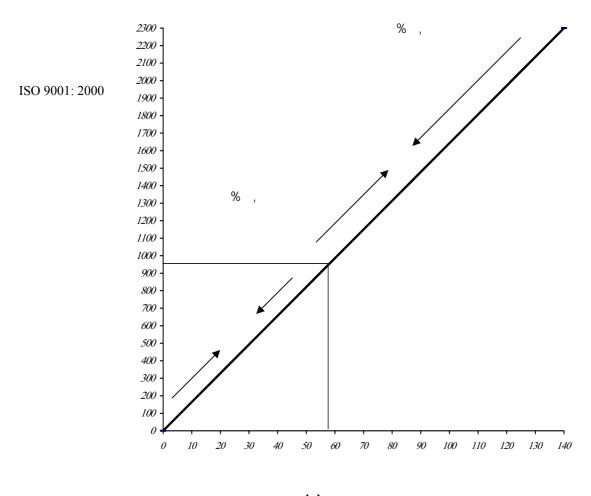
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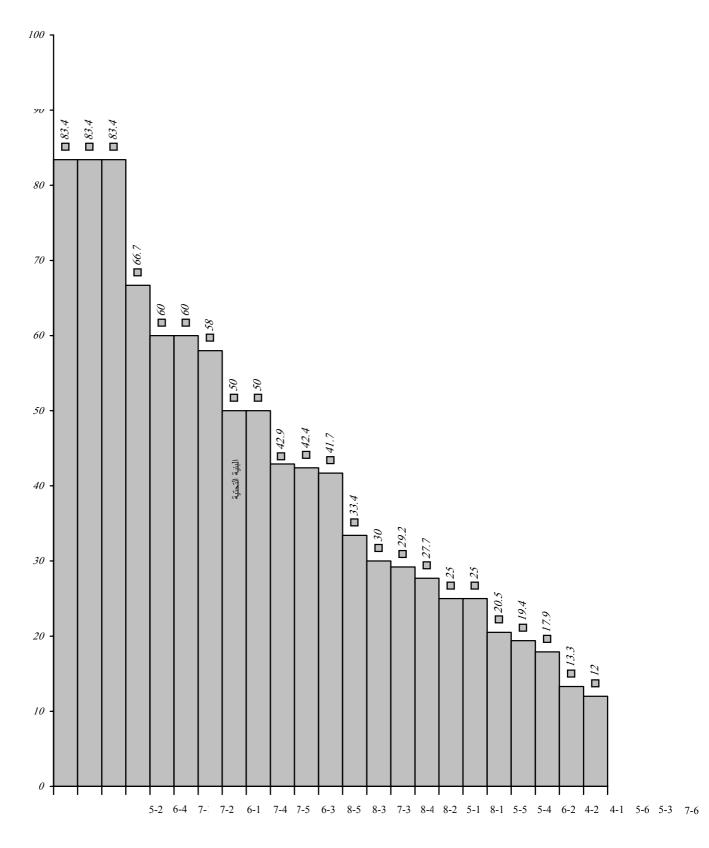
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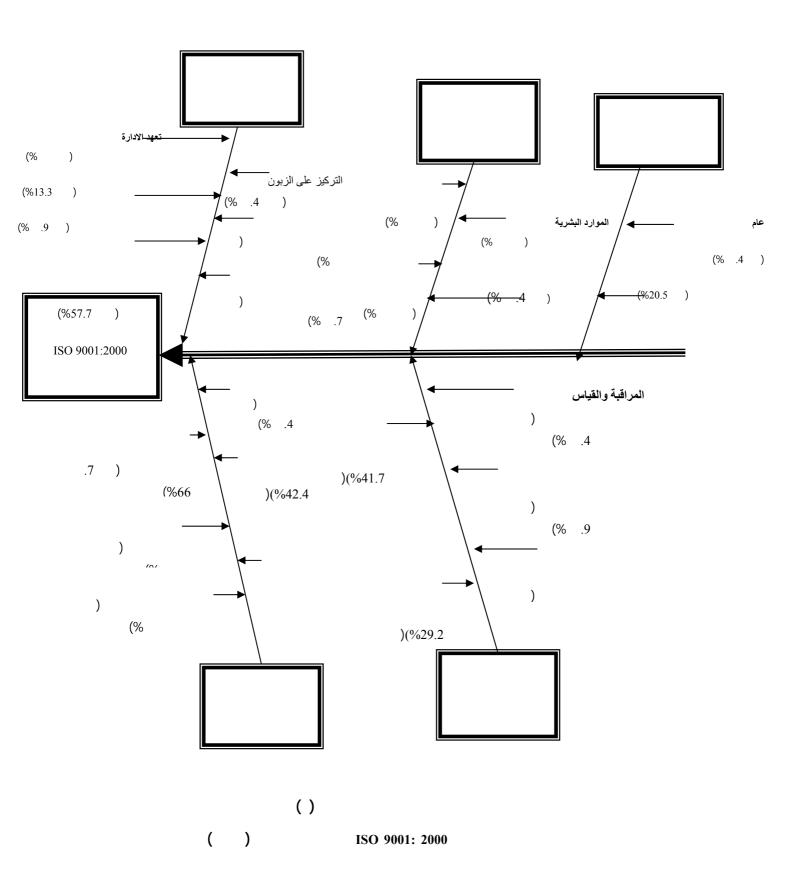
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17-Bergman, BO. & Klefsjo, Bengt(1994). Quality: From Customer Needs To Customer Satisfaction($\mathbf{3}^{\text{rd}}$ ed.). Mc Graw-Hill, Sweden.

18-Boseman,Glena &Phatake,Arrind(1989).Strategic Management(2nd ed.).N.Y., JhonWiley& Sons.

19-Coyle, J.J., Bardi, E.J. & Langley, c.J. (1992). The Management of Business Logistics (5th ed).

West Publishing Co. USA.

20-Dalela, S. & Saurabh J. (1999). ISO 9000 A manual for Total Quality Management: Documentation and Certification for ISO (2nd ed.).S. chand & Company LTD., New Delhi. 21-Heizer, Jay&Render, Barry (2001). Operations Management (6th ed.). Prentice-Hall, New Jersey, USA.

22-Prime Ministers Department (1996). Guideline for Implementing Ms ISO 9000 In the Development Administration Circular, No.2, Malaysia. Civil Service. 23-Rothery, Briavy(1996). ISO 9000(2nd ed.). Gower Publishing Ltd. London.

24-Sadgrove, Kit (1995). ISO 9000 / Bs 5750 Made Easy(2nd ed.). Kogan page, UK.

25-CakmakN.(April1997)."Total Management Quality".Total Quality Management-Baghdad.

26-Stanislav , Karapetrovic (1996)."The Application of

ISO 9000 to Small Business The University of Manitoba". Canada.

27-Velli, A.O. (1996) Quality Improvement Through ISO 9000 Standards". Tek Nillinen Korkeakoulu, Helsinki-Finland.

: 28-ISO Bulletin (August 2001). The Added Value of Consumer Participation in Standards Development.. ISO Control Secretariat. Geneva

29-ISO 9000:2000(E), Quality Management Systems - Fundamentals and Vocabulary (2nded.). ISO

Copyright Office, Geneva.

30-ISO 9001: 2000(E), Quality Management System- Requirements (3rd ed.). ISO copyright Office ,

Geneva.

31-http://www:ISO-gap-analysis-pdf 32-http://www.qsae. Org / web-en/pdf/ISO 9000 Imp steps. Pdf

33-http:// www. ISO- 9000.com/ How to / Basics of Registration.htm 34-http – qcbinc. Com/ form 104. pdf

35-www. Quality Digest, com. Kirchner, R. Michael (1995). Whats Beyond ISO 9000?

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